YOR9-2001-0319-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/039635 10/039635 10/03/03/03

In re patent application of

Black et al.

Serial No.: Unknown

Group Art Unit: Unknown

Filing Date: Concurrently Herewith

Examiner: Unknown

For:

SCANNING PROBE MICROSCOPY TIPS COMPOSED OF

NANOPARTICLES AND METHODS TO FORM SAME

Assistant Commissioner of Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-0510.

Respectfully submitted,

S. Pola

Mohammad S. Rahman Registration No. 43,029

Date: // R / R OOQ McGinn & Gibb, PLLC 2568-A Riva Road, Suite 304 Annapolis, Maryland 21401 (410) 573-1545 Customer No. 28211

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ATTY DOCKET NO. YOR9-2001-0319-0-31	SERIAL NO. Unknown 2
APPLICANT(S) Black et al.	33. 33.
FILING DATE Concurrently Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS

AMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
5)/	3,180,835	04/27/65	Peri			
7	3,531,413	09/29/70	Rosensweig	-		
5	3,814,696	06/04/74	Verdone et al.			
	3,965,046	06/22/76	Deffeyes			
7	4,006,047	02/01/77	Brummett et al.			
BY	4,063,000	12/13/77	Aonuma et al.			
2)	4,687,596	08/18/87	Borduz et al.			
	4,728,591	03/01/88	Clark et al.			
	4,877,647	10/31/89	Klabunde			
	4,940,596	07/10/90	Wright			
5/)	5,147,841	09/15/92	Wilcoxon			

				CLASS	SUBCLASS	TRANSLATION	
	DOCUMENT NU	JMBER DATE	COUNTRY	CLASS		YES	NO
CX	WO 98/22942	05/28/98	ЕРО			1	
Th	EP 0 977 212 A	2 02/02/00	ЕРО			1	
PM	EP 0 686 448 A	2 12/13/95	ЕРО			1	
(A)	EP 9 469 714 A	2 12/11/91	ЕРО				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
P	EP 0 113 281 A	1 07/11/84	ЕРО				/

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

D.L. Peng et al., "Characteristic Tunnel-Type Conductivity and Magnetoresistance in a CoO-Coated Monodispersive Co Cluster Assembly", Applied Physics Letters, Volume 74, Number 1, January 4, 1999, pp. 76-78.

Sanker et al., "Spin-Dependent Tunneling in Discontinuous Co-SiO2 Magnetic Tunnel Junction", Applied Physics Letter Volume 73, Number 4, July 27, 1998, pp. 535-537.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

ATTY DOCKET NO. YOR9-2001-0319-051	SERIAL NO. Unknown
APPLICANT(S) Black et al.	
FILING DATE Concurrently Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS

*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
INITIAL	5,160,452	11/03/92	Marutsuka et al.			
Ö	5,240,493	08/31/93	Zhen et al.			
1	5,304,382	04/19/94	Monzyk			
M	5,491,219	02/13/96	Mann			
7	5,505,996	04/09/96	Nagayama			
	5,580,492	12/03/96	Bonnemann et al.			
	5,698,483	12/16/97	Ong et al.			
	5,766,764	06/16/98	Olli et al.			
	5,824,409	10/20/98	Sellmyer et al.			
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	5,914,361	06/22/99	Inui et al.			
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Toshima, et al., "Polymer-protected Palladium-Platinum Bimetallic Clusters: Preparation, Catalytic Properties adn Structural Considerations", CHEM. SOC. FARADAY TRANS., 1993, 89(14), pp. 2537-2543.

Murray, et al., "Self-Organization of CdSe Nanocrystallites into Three-Dimensional Quantum Dot Superlattices", SCIENCE. Vol. 270, November 24, 1995, pp. 1335-1338.

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ATTY DOCKET NO. YOR9-2001-0319-051	SERIAL NO. Unknown
APPLICANT(S) Black et al.	
FILING DATE	GROUP Unknown

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	6,162,532	12/19/00	Black et al.				
7	6,262,129	07/17/01	Murray et al.				
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	DOCUMENT NUMBER			CLASS	SUBCLASS		LATIOI N
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9		DATE	COUNTRY	inent Pages, Et	GC.)	YES	
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applicant(s) Black et al.	

INFOR	(Use several sheets if necessary)	Black et al.	
	(Ose service shows y was a say	Filing Date Concurrently Herewith	Group Art Unit Unknown
•EXAMINER	OTHER DOCUMENTS (Including Author,		
NITIAL O	Schaadt et al., "Characterization and Analysis of Vac. Sci. Techol., Volume 18, No. 4, July/Augus	of a Novel Hybrid Magnetoelectronic De st, 2000, pp. 1834-1837.	
N	Inomata et al., "Spin-Dependent Tunneling Th. 73, Number 8, August 24, 1998, pp. 1143-1145.		
0)	Gerber et al., "Magnetoresistance of Granular		
9	Kechrakos et al., "Scaling Behavior of the Giat pp. 13442-1 - 134422-5.		
Ch	Moodera et al., Ferromagnetic-Insulator-Ferrin Trilayer Junctions (Invited)", J. Appl. Phys.	. /> (0),	
pg	Sun et al., "Controlled Assembly of Monodispo Materials Research Society, pp. 385-398.		
(9)	Shouheng Sun Murry, C.B., "Synthesis of Mo (Invited), J. Appl. Phys. (USA), Vol. 85, No. 8,	, April 10, 1222) FF. 1322	
	Black et al., "Spin Dependent Tunneling in Se 290, No. 5494, Nov. 2000, pp. 1131-4.		
(0)	Li, et al., "Magnetic Recording on FePt and F 35, No. 2, March 1999, pp. 1077-1082.		
PY	Kuo, et al., "Microstructure and magnetic pro Number 4, 15 February 1999, pp. 2264-2269.		al of Applied Physics, Volume 85,
69	Cebollada, et al., "Enhanced magneto-optical between theory and experiment", Physical Re	Kerr effect in spontaneously ordered Fo eview B, Volume 50, Number 5, 1 Augus	ePt alloys: Quantitative agreement t 1994-I, pp. 3419-3421.
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